



486791

SITE DESCRIPTION/EXECUTIVE SUMMARY

Site Name and Location

Federal Marine Terminal
18099 W. Jefferson Ave.
Riverview, Michigan 48192

County: Wayne
Michigan Code Number: 82-045-11E-05CA
DNR District: Northville
EPA ID Number: MID 980504765

SAS Score/Screen No.: 568

The Federal Marine Terminal (FMT) site is a 31 acre parcel used as an unpermitted landfill/burial site by BASF Wyandotte and other companies. The site was owned by BASF during the time when unpermitted dumping occurred. The site was primarily used for disposal of chemical manufacturing waste. Contamination at the site was discovered during preliminary construction, after being purchased on land contract by FMT. Construction was halted and the site is now wholly owned by BASF, the responsible party. Soda ash is reported to account for a large volume of the fill material, however, mercury, arsenic, naphthlene, and benzo-a-pyrene have been identified in groundwater samples. There is no reported residential well contamination, the area is supplied by municipal water.

Holes dug to the depth of subsurface water for sampling purposes all had a chemical layer in them. Metal containers filled with liquids and solids and other refuse material has also been found within pit walls. During active disposal activity the site was not properly diked and allowed material and surface runoff to directly enter the groundwater and the Detroit River which borders the site along the east.

BASF entered into a Consent Agreement with the United States Environmental Protection Agency and the Michigan Department of Natural Resources. The Consent Agreement outlines a Remedial Action plan to be implemented by BASF. The Consent Decree provides for clay capping of site, removal of surface water, shoreline stability, site drainage, security at site and monitoring and inspection program.

Follow Up Recommendation for EPA

Due to a Consent Decree entered into by BASF Wyandotte Corporation with the U.S. EPA and Michigan Department of Natural Resources; outlining the closure measures to be implemented at the site, this site receives a low priority for inspection.

Date of Previous Summary: 9-26-84
Previous Author: L. Lee

Current Date: 9-25-86
Author: S. Cunningham/
J. Rodin
Site Assessment Unit
Groundwater Quality Division
Michigan Dept. of Natural Resources

000346 DP

50401-SI + HRS has already
been doneNFA Med - ~~YUW~~
10/1/87SI + HRS
ALREADY done



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE | 02 SITE NUMBER
MED | 980504765

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site) FEDERAL MARINE TERMINAL		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER 18099 W. JEFFERSON				
03 CITY RIVERVIEW	04 STATE MI	05 ZIP CODE 48192	06 COUNTY WAYNE		07 COUNTY CODE 163	08 CONG DIST 16
09 COORDINATES LATITUDE 42°10'31" LONGITUDE 83°09'55"		09 COORDINATES WYANDOTTE QUAD. 7-5 MEN. HIGH - ONTARIO.				
10 DIRECTIONS TO SITE (Starting from nearest public road) SITE IS LOCATED ON JEFFERSON AVE. JUST NORTH OF CROSS IS B BRIDGE						

III. RESPONSIBLE PARTIES

01 OWNER (If known) BASE WYANDOTTE CORP.		02 STREET (Business, mailing, residential) 1609 BIDDLE AVE			
03 CITY WYANDOTTE	04 STATE MI	05 ZIP CODE 48192	06 TELEPHONE NUMBER (313) 282-3300		
07 OPERATOR (If known and different from owner)		08 STREET (Business, mailing, residential)			
09 CITY	10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER ()		
13 TYPE OF OWNERSHIP (Check one) <input checked="" type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL: _____ (Agency name) <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER: _____ (Specify) <input type="checkbox"/> G. UNKNOWN					
14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply) <input type="checkbox"/> A. RCRA 3001 DATE RECEIVED: ____/____/____ <input checked="" type="checkbox"/> B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: ____/____/____ <input type="checkbox"/> C. NONE					

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION <input checked="" type="checkbox"/> YES DATE ____/____/____ <input type="checkbox"/> NO		BY (Check all that apply) <input type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR <input checked="" type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR <input type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER: _____ (Specify) CONTRACTOR NAME(S): _____			
02 SITE STATUS (Check one) <input type="checkbox"/> A. ACTIVE <input checked="" type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN		03 YEARS OF OPERATION BEGINNING YEAR _____ ENDING YEAR _____ <input type="checkbox"/> UNKNOWN			

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

Mercury
Arsenic (Toxic / Persistent)
Napthlene

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

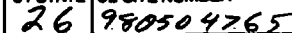
Soil
Groundwater (Environment / Population)
Surfacewater

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents) <input type="checkbox"/> A. HIGH (Inspection required promptly) <input type="checkbox"/> B. MEDIUM (Inspection required) <input type="checkbox"/> C. LOW (Inspect on time available basis) <input type="checkbox"/> D. NONE (No further action needed, complete current disposition form)			
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VI. INFORMATION AVAILABLE FROM

01 CONTACT HAKIM SHAKIR, DESK. SUPV.		02 OF (Agency/Organization) MI DNR GROUNDWATER, NORTHVILLE		03 TELEPHONE NUMBER (313) 459-0770	
04 PERSON RESPONSIBLE FOR ASSESSMENT STEVE CUNNINGHAM / JEFF RODIN		05 AGENCY MI DNR	06 ORGANIZATION GROUNDWATER	07 TELEPHONE NUMBER (517) 373-4800	08 DATE 9/19/98 MONTH DAY YEAR



<input checked="" type="checkbox"/> A. TOXIC	<input type="checkbox"/> E. SOLUBLE	<input type="checkbox"/> I. HIGHLY VOLATILE
<input type="checkbox"/> B. CORROSIVE	<input type="checkbox"/> F. INFECTIOUS	<input type="checkbox"/> J. EXPLOSIVE
<input type="checkbox"/> C. RADIOACTIVE	<input type="checkbox"/> G. FLAMMABLE	<input type="checkbox"/> K. REACTIVE
<input checked="" type="checkbox"/> D. PERSISTENT	<input type="checkbox"/> H. IGNITABLE	<input type="checkbox"/> L. INCOMPATIBLE
		<input type="checkbox"/> M. NOT APPLICABLE



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
26 980504765

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: 63,350

02 ☒ OBSERVED (DATE: 6-16-85)

☒ POTENTIAL ☐ ALLEGED

04 NARRATIVE DESCRIPTION

Monitoring wells on site have shown groundwater contamination with inorganic chemicals.

01 ☒ B. SURFACE WATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: 63,350

02 ☐ OBSERVED (DATE:)

☒ POTENTIAL ☐ ALLEGED

04 NARRATIVE DESCRIPTION

Landfill site is located adjacent to the Detroit River and uncontrolled surface runoff has been reported in the past. Surface ground water will also move horizontally to the river carrying contaminants.

01 ☒ C. CONTAMINATION OF AIR

03 POPULATION POTENTIALLY AFFECTED: 114,838

02 ☐ OBSERVED (DATE:)

☒ POTENTIAL ☐ ALLEGED

04 NARRATIVE DESCRIPTION

Potential from past exposure of chemicals to open air, and being distributed in suspended form.

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS

03 POPULATION POTENTIALLY AFFECTED:

02 ☐ OBSERVED (DATE:)

☐ POTENTIAL ☐ ALLEGED

04 NARRATIVE DESCRIPTION

N/A

01 ☒ E. DIRECT CONTACT

03 POPULATION POTENTIALLY AFFECTED: 5,241

02 ☐ OBSERVED (DATE:)

☒ POTENTIAL ☐ ALLEGED

04 NARRATIVE DESCRIPTION

Potential from past exposure prior to proper enclosing of site and current site closure measures.

01 ☒ F. CONTAMINATION OF SOIL

03 AREA POTENTIALLY AFFECTED: 31 (ACRES)

02 ☐ OBSERVED (DATE: 6/85)

☐ POTENTIAL ☒ ALLEGED

04 NARRATIVE DESCRIPTION

Site was an improperly constructed, operated, former chemical manufacturing landfill that is unlined.

01 ☒ G. DRINKING WATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: 63,350

02 ☐ OBSERVED (DATE:)

☒ POTENTIAL ☐ ALLEGED

04 NARRATIVE DESCRIPTION

Area has no known residential wells, it is served by municipal water supply.

01 ☒ H. WORKER EXPOSURE/INJURY

03 WORKERS POTENTIALLY AFFECTED: UNKNOWN

02 ☐ OBSERVED (DATE:)

☒ POTENTIAL ☐ ALLEGED

04 NARRATIVE DESCRIPTION

Potential from past exposure at time of operation of chemical dump.

01 ☒ I. POPULATION EXPOSURE/INJURY

03 POPULATION POTENTIALLY AFFECTED: 114,838

02 ☐ OBSERVED (DATE:)

☒ POTENTIAL ☐ ALLEGED

04 NARRATIVE DESCRIPTION

Potential from exposure to contaminated surface water as a result of runoff or leaching into Detroit River.



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

26 980504265

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

N/A

01 ☒ K. DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION (Include name(s) of species)

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL

☐ ALLEGED

Potential from possible contamination of surface waters of adjacent Detroit River. affecting fish and related food chain species.

01 ☒ L. CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL

☐ ALLEGED

Potential.
See section K. above.

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES
(Spills/runoff/standing liquids/leaking drums)

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☒ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: 114,838

04 NARRATIVE DESCRIPTION

Site is an improperly constructed chemical waste landfill, without a liner, surface runoff and leachate from site has been reported in the past.

01 ☒ N. DAMAGE TO OFFSITE PROPERTY
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL

☐ ALLEGED

Potential from runoff or leachate affecting adjoining property.

01 ☒ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☒ ALLEGED

Leachate has been evidenced in pond in adjacent drainage ditches and drains.

01 ☒ P. ILLEGAL/UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION

02 ☒ OBSERVED (DATE: 6/85)

☐ POTENTIAL

☐ ALLEGED

Site was used for disposal of chemical manufacturing waste and was not constructed or licensed for such activity.

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

Potential for direct discharge of leachate to shoreline of Detroit River

III. TOTAL POPULATION POTENTIALLY AFFECTED: _____

IV. COMMENTS

Responsible Party is under consent agreement with EPA & Mich. DNR for proper closure of site

V. SOURCES OF INFORMATION (Cite specific references, e. g., state files, sample analysis, reports)

Mich. DNR Groundwater Division, and Compliance section file handling